

## SECTION-A

## (Multiple Choice Questions (MCQ's))

Q.1 Select the correct answers.

- (i) CPU stands for  
(a) Controlling power Unit (b) Central processing unit  
(c) Central processor Unit (d) None of them
- (ii) RAM is \_\_\_\_\_ memory.  
(a) Permanent (b) Volatile (c) Non-Volatile (d) None of them
- (iii) Which number system is ideal for the internal working of computer?  
(a) Binary (b) Octal (c) Decimal (d) Hexadecimal
- (iv) Bus is a set of \_\_\_\_\_ that is used as communication path.  
(a) Processor (b) Registers (c) Wires (d) Memory
- (v) A serial port has:  
(a) 9 or 20 pins (b) 9 or 25 pins (c) 9 or 30 pins (d) 9 or 35 pins
- (vi) Laser printer and inkjet printer are example:  
(a) Impact printer (b) Line printer (c) Drum printer (d) None of them
- (vii) The command that clears the screen is:  
(a) CLEAR (b) CLR (c) CLS (d) CLEAN
- (viii) The base of hexadecimal number system is:  
(a) 2 (b) 8 (c) 10 (d) 16
- (ix) Each byte is combination of \_\_\_\_\_ small unit called bits.  
(a) Sixteen (b) Ten (c) Eighteen (d) Eight
- (x) The processed form of data is known as:  
(a) String (b) Information (c) Graphics (d) Binary
- (xi) \_\_\_\_\_ is an input device to read images as input.  
(a) Keyboard (b) Mouse (c) Track ball (d) Scanner
- (xii) The software that removes viruses from disk are known as  
(a) Virus killer (b) Remover (c) Anti Virus (d) Destroyer
- (xiii) The data, which consists of whole numbers is known as:  
(a) Real (b) Integer (c) String (d) Fixed point
- (xiv) The equivalent of decimal number 10 in binary is:  
(a) 10 (b) 1010 (c) 1011 (d) 1100
- (xv) \_\_\_\_\_ is a storage device that stores data serially:  
(a) Magnetic Tape (b) Compact Disk (c) Hard Disk (d) Floppy Disk

## SECTION-B (Short Answers)

Note: Answer any NINE of the following questions.

- Q.2 Define to term Hardware and software.
- Q.3 Define ALU and CU
- Q.4 What is the major difference between Mouse and Trackball?
- Q.5 Convert the following Decimal numbers into Binary.  
(i) 5138 (ii) 814
- Q.6 Convert the following Decimal numbers into equivalent Octal numbers.  
(i) 750 (ii) 2580
- Q.7 Define any TWO of the following DOS commands.  
(i) DIR (ii) MD (iii) Diskcopy
- Q.8 Differentiate between Data and Information.
- Q.9 Why we need to translate a source code into machine code?
- Q.10 Define any TWO terms of the following Boolean Algebra.  
(i) Complement (ii) Variables (iii) Boolean Constants
- Q.11 What is an operating system?
- Q.12 Define the term Bus. What is the purpose of Data Bus?
- Q.13 State and prove Demorgan's Theorems.

## SECTION-C (Descriptive)

Note: Answer any THREE of the following questions in detail.

- Q.14 Define different types of Scanners.
- Q.15 Compare and contrast Digital and Analog Computers.
- Q.16 Define the various types of Data.
- Q.17 Define ports. Compare and contrast serial port and Parallel port.
- Q.18 Explain any TWO of the following (i) Task Bar (ii) Icon (iii) My computer